

Get Nucleotide sequences for

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Clustalw



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CLUSTAL W (1.82) Multiple Sequence Alignments

Sequence format is Pearson
 Sequence 1: O'Donnell_hola 729 bp
 Sequence 2: McHenry_hola 879 bp
 Start of Pairwise alignments
 Aligning...
 Sequences (1:2) Aligned. Score: 97
 Guide tree file created: [/ebi/extserv/old-work/clustalw-20031020-19030540.dnd]
 Start of Multiple Alignment
 There are 1 groups
 Aligning...
 Group 1: Sequences: 2 Score: 13585
 Alignment Score 5794
 CLUSTAL-Alignment file created [/ebi/extserv/old-work/clustalw-20031020-19030540.aln]

Your Multiple Se

10/20/2003

http://www.ebi.ac.uk/services/mp/clustalw-20031020-19030540.html

Exhibit C

clustalw-20031020-19030540.aln

CLUSTAL W (1.82) multiple sequence alignment

```

O'Donnell_hola
McHenry_hola
-----
ATGGTCATCGCCTTCACCGGGGATCCCTTCTGGGGGGGAGGCCCTCTTAGAGGAGGCA 60

O'Donnell_hola
McHenry_hola
-----
AGGCTTAGGGGCTTTCGCGCTTCACGAGCCACCCCGGAGGCCCTGGCCAGGCCCTC 120

O'Donnell_hola
McHenry_hola
-----
-----ATGCTGACCTGAGGAGGTGGGGAGGCG 30
GCCCCGGGGCTTTCGGGGGGGGGGCGGATGCTGACCTGAGGGAGGTGGGGAGGCG 180
*****

O'Donnell_hola
McHenry_hola
-----
GAGTGAAGGCCCTAAGCCCTTTTGAAAGCGTGCCCGAGGGCGTCCCCTCCTCCTC 90
GAGTGAAGGCCCTAAGCCCTTCTGGAAGCGTGCCCGAGGGCGTCCCCCTCCTCCTC 240
*****

O'Donnell_hola
McHenry_hola
-----
CTGGACCTTAGCCCAAGCCCTCCCGGGGGGCTTTCACCGGAACCGGGAAGGCGGGAC 150
CTGGACCTTAGCCCAAGCCCTCCCGGGGGGCTTTCACCGGAACCGGGAAGGCGGGAC 300
*****

O'Donnell_hola
McHenry_hola
-----
TTCCCCACCCCAAGGAGACCTGTGCGGCACCTGGAAACCGGGGCCAAGGCGCTG 210
TTCCCCACCCCAAGGAGACCTGTGCGGCACCTGGAAACCGGGGCCAAGGCGCTG 360
*****

O'Donnell_hola
McHenry_hola
-----
GGGCTCAGGCTCCCGGGGGGGTGGCCAGTACCTGGCTCCCTGGAGGGGACCTCGAG 270
GGGCTCAGGCTCCCGGGGGGGTGGCCAGTACCTGGCTCCCTGGAGGGGACCTCGAG 420
*****

O'Donnell_hola
McHenry_hola
-----
GCCCTGGAGCGGGAGCTGGAGAGCTTGCCTCTCTCCCCACCCCTCACCCCTGGAGAAG 330
GCCCTGGAGCGGGAGCTGGAGAGCTTGCCTCTCTCCCCCTCCCTCACCCCTGGAGAAG 480
*****

O'Donnell_hola
McHenry_hola
-----
GTGAGAGAGGTGTGGCCCTGAGGCCGCCCTCACGGGCTTGACCTGTGGCTCCGTC 390
GTGAGAGAGGTGTGGCCCTGAGGCCGCCCTCACGGGCTTGACCTGTGGCTCCGTC 540
*****

O'Donnell_hola
McHenry_hola
-----
CTGGAGAAGGACCCCAAGGAGGCCCTCTCGGCCCTAGGGGCCCTCAAGGAGGAGGGGAG 450
CTGGAGAAGGACCCCAAGGAGGCCCTCTCGGCCCTAGGGGCCCTCAAGGAGGAGGGGAG 600

```

clustalw-20031020-19030540.dnd

{O'Donnell hola:0.01372,McHenry_hola:0.01372}:

O'Donnell_hol
McHenry_hol

Please contact support@ebi.ac.uk with any problems or suggestions regarding this site.

<http://www.ebi.ac.uk/service/cluster/clustalw-2003.1020-19030540.html>

10/20/2003